

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1-22. (Cancelled)

23. (Currently Amended) The method according to ~~claim~~ claim 27, wherein the prioritizing step further includes specifying threshold values for the driving power available to ~~at least one of the said further consumers of driving power~~ and the said chain or track drive.

24. (Currently Amended) The method according to ~~claim~~ claim 27, wherein the prioritizing step further includes specifying threshold values for at least one of output parameters of the chain or track drive and output parameters of the said further consumers of driving power.

25. (Currently Amended) ~~A method for controlling a snow-trail grooming vehicle, comprising the steps of:~~
~~providing a snow-trail grooming vehicle having a drive motor for providing driving power, a chain or track drive, further consumers of driving power, means for distributing driving power onto the chain or track drive and the further consumers, and a central processing system for controlling said means for distributing driving power,~~
~~prioritizing of one of the chain or track drive, further consumers and groups of further consumers in a changeable way,~~
The method according to claim 27, further comprising the step of:

detecting environmental parameters and indicating a change of the prioritizing, in dependency of the environmental

parameters, by the central processing system to an operator, and

~~distributing the driving power in dependency of the prioritizing.~~

26. (Previously Presented) The method according to claim 25, further comprising the step of automatically carrying out the change of the prioritizing by the central processing system in dependency of the environmental parameters.

27. (Currently Amended) ~~The method according to claim 22, wherein the snow-trail grooming vehicle further has A~~
method for controlling a snow-trail grooming vehicle,
comprising the steps of:

providing a snow-trail grooming vehicle having a drive motor for providing driving power, a chain or track drive, a hydraulic pump driven by the drive motor and a hydrostatic gear of the chain or track drive, further consumers of driving power comprising at least one of a snow-trail grooming device and a cable winch, means for distributing driving power onto the chain or track drive and the snow-trail grooming device and cable winch, and a central processing system for controlling said means for distributing driving power;

selectively prioritizing one of the chain or track drive, the snow-trail grooming device and the cable winch;

~~and wherein the method further comprises the step of correlating the adjustments of the drive motor, the hydraulic pump driven by the drive motor and the hydrostatic gear of the chain or track drive under the control of the central processing system in order to obtain the desired distribution of the driving power with little power loss; and~~

distributing the driving power according to the desired distribution.

28. (Currently Amended) The method according to ~~claim 22~~claim 27, wherein the ~~snow-trail grooming vehicle further~~

~~has a hydraulic brake or a hydraulic pump coupled with the drive motor, said hydraulic brake or hydraulic pump being able~~
is configured to provide braking power, the method further comprising the step of distributing the braking power onto ~~the~~
said further consumers of driving power under control of the central processing system.

29-37. (Cancelled)

38. (Currently Amended) The snow trail grooming vehicle according to ~~claim 37~~claim 42, wherein the central processing system has means for specifying threshold values for the driving power, said threshold values limiting the driving power made available to the chain or track drive and ~~the said~~
further consumers of driving power.

39. (Currently Amended) The snow trail grooming vehicle according to ~~claim 37~~claim 42, wherein the central processing system has means for specifying threshold values for output parameters of the chain or track drive and ~~the said~~ further consumers of driving power.

40. (Currently Amended) The snow trail grooming vehicle according to ~~claim 37~~claim 42, further comprising means for determining environmental parameters.

41. (Previously Presented) The snow trail grooming vehicle according to claim 40, wherein the environmental parameters comprise at least one of slope incline, cable-winch operation, density of the snow, temperature of the snow and height of the snow.

42. (Currently Amended) ~~The snow trail grooming vehicle according to claim 37, further comprising~~ A snow trail grooming vehicle comprising:
a drive motor for providing driving power,

a controllable hydraulic pump driven by the drive motor,
a chain or track drive,
~~and~~ at least one controllable hydrostatic gear for the
chain or track drive,
further consumers of driving power comprising at least
one of a snow-trail grooming device and a cable winch,
means for distributing driving power onto the chain or
track drive and said further consumers of driving power,
and a central processing system for controlling said
means for distributing driving power,
wherein the central processing system includes means for
specifying a changeable prioritizing of at least one of the
chain or track drive and the further consumers of driving
power and means for correlating adjustments of the drive
motor, the hydraulic pump and the at least one hydrostatic
gear, such correlating being performed with regard to little
loss of power.

43. (Currently Amended) The snow trail grooming vehicle
according to ~~claim 37~~ claim 42, further comprising ~~at least one~~
~~hydraulic brake or hydraulic pump coupled with the chain or~~
~~track drive,~~ the central processing system having means for
distributing a hydraulic braking power, ~~which is produced by~~
~~the at least one hydraulic brake or hydraulic pump,~~ onto the
said further consumers of driving power.

44. (Cancelled)